

## **IN THE CLAIMS**

Please amend the claims to be in the form as follows:

Claim 1 (currently amended): A method of encoding data, comprising:

embedding supplemental data by inserting the supplemental data into the data  
using at least one parameter which is altered in order to embed the supplemental data; and  
deriving the supplemental data from other data.

Claim 2 (original): A method of extracting supplemental data of encoded data as defined in Claim 1.

Claim 3 (currently amended): A method of encoding input data, comprising the steps of:

partitioning the data into frames;  
determining a set of parameters for each frame;  
reducing the data rate of the input signal by applying an algorithm which is  
controlled by the parameter set whereby ~~the~~ encoded data includes the set of parameters or at  
least data which can be used to derive the parameter set and the data rate-reduced signal; and  
embedding supplemental data into ~~the~~ encoded data ~~signal~~, the parameter set is  
affected by the supplemental data.

Claim 4 (original): A method of extracting information which is embedded in the parameter set  
of an encoded signal as defined in Claim 3.

Claim 5 (cancelled)

Claim 6 (cancelled)

Claim 7 (cancelled)

Claim 8 (cancelled)

**Claim 9 (cancelled)**

**Claim 10 (previously presented):** A signal comprising the encoded data of Claim 1.

**Claim 11 (previously presented):** A data carrier comprising a recorded signal of claim 10.

**Claim 12 (previously presented):** A signal comprising encoded data of Claim 3.

**Claim 13 (currently amended):** A data carrier comprising the encoded ~~recorded~~ signal of Claim 12.

**Claim 14 (previously presented):** An arrangement for performing the method of Claim 1.

**Claim 15 (previously presented):** An arrangement for performing the method of Claim 2.

**Claim 16 (previously presented):** An arrangement for performing the method of Claim 3.

**Claim 17 (previously presented):** An arrangement for performing the method of Claim 4.

**Claim 18 (previously presented):** A playback device with an arrangement as defined in Claim 2.

**Claim 19 (previously presented):** A playback device with an arrangement as defined in Claim 4.

**Claim 20 (currently amended):** A playback device with an arrangement as defined in Claim 1  
~~20~~.

**Claim 21 (previously presented):** The playback device of Claim 14, including a disc player for audio and audio-visual media, respectively.

**Claim 22 (previously presented):** The playback device of Claim 15, including a Disc player for audio and audio-visual media.

**Claim 23 (previously presented):** The playback device of Claim 16, including a Disc player for audio and audio-visual media.

**Claim 24 (previously presented):** The playback device of Claim 17, including a Disc player for audio and audio-visual media.

**Claim 25 (new):** A method of encoding supplemental data of encoded data as defined in Claim 1, wherein lossless encoding is used to encode the supplemental data.

**Claim 26 (new):** A method of encoding supplemental data of encoded data as defined in Claim 1, wherein the supplemental data is encoded bit by bit.

**Claim 27 (new):** A method of encoding supplemental data of encoded data as defined in Claim 1, wherein before the embedding, partitioning of the data into frames and determining a set of parameters for each frame, wherein the set of parameters can be altered to embed the supplemental data

**Claim 28 (new):** A method of encoding supplemental data of encoded data as defined in Claim 27, wherein encoded data is used to derive the set of parameters.

**Claim 29 (new):** A method of encoding supplemental data of encoded data as defined in Claim 1, wherein the parameters is altered to a dedicated value in response to the supplemental data to be embedded.